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Training ERP for Student Placement

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Abstract: ***The management of Training and Placement is supported by paper-based systems, databases, spreadsheets and E-mail communications. The aim of this project is Automation of Training and Placement unit of College or academic institutes. This is a web application which will help students as well as the administration authority to carry out each and every activity in this department. The system is an application that can be accessed throughout the Engineering Colleges organization with proper login provided. This system can be used as an application for the Training and placement officers (TPO) of the college to manage the student information with regard to placement. Students logging should be able to fill the registration form. The key feature of this project is that it is a onetime registration. The application provides the facility of maintaining the details of the students. It also provides a requested list of candidates to recruit the students based on given query. Administrator logging in may also search any information put up by the students.***
Index Terms: Training and placement officers (TPO), Students, Courses, Academic History, Web Application, Predictions, etc.

I. INTRODUCTION

In today's world everyone is travelling for jobs after Completion of their graduation. It has become need for each and every student, but for that they need to travel worldwide in searching of jobs. For simplicity of these whole hectic procedures we had proposed Online Training and Placement System because of earlier system is totally done manually by maintaining records, time consuming and very difficult to maintain coordination between student and companies.

The project is aimed at developing an online web application for the training and placement department of the college. The system is an online web application that can be accessed throughout the Institute with proper login provided. This system can be used as an application for the TPO of the college to manage the student information with regard to placement. Student logging should be able to upload their information. Organizations representatives logging in may also access/search information put up by the students. TPO have to collect the information and manage them manually according to various streams. If any modification is required that is also to be done manually. Overall it will reduce the paper work and utilize the maximum capability of the setup and organization as well as it will save time and money.

The main motivation of this paper is to:

1) It is easier method for efficient interaction between student and mentor.
2) The conventional method this time consuming and often prove inefficient. Hence this system manages time more effectively.
3) It bridges the gap between mentor and the student.
4) It encourages doubts and hence enhances the knowledge level of student.
5) Mentors are able to give assignments online, thereby providing an online platform.

II. LITRATURE SURVEY

In recent years, it has been used extensively in anumber of research fields including educational system to remove vagueness that conventional methods unable to solve properly. Echoes and Vachtsevanos in proposed a system using fuzzy set theory for converting conventional result into later-grades. [1]

This online application heavily relies on the TPO. Students can upload their resumes, personal information, and academic credentials through this website application. Students can communicate with one another using the chat feature of this system. Students can practice aptitude examinations given by their various faculties on upcoming campuses. Training and placement management will undoubtedly be made simpler by this system for the TPO, Department Coordinators, Principal, Faculty, and of course Students. Colleges will have a well-designed website to tell their students of new options, how to get ready for campus, and how to receive a work-integrated learning experience thanks to this application .[2]

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Training and Placement is a web tool that was created to reduce manual labour and prevent common mistakes in manual labour. Two modules are included in this system, one for the Training and Placement Officer and the other for the relevant students. The responsibility of the placement officer is to inform the students of impending placements or training sessions. The information is also provided by the Training and Placement Officer. of the visiting firms, their selection processes, and the outcomes for each successful student chosen by those companies. The students register on the website, submit their resume, personal information, and academic records, and then they are alerted by text message and email if they are qualified for the specific company[3]

III. EXISTING SYSTEM

In colleges the records were stored in excel sheets hence sorting the data is always a problem. The excel sheets are also less advanced. Hence sorting and searching problems arises. Updating Records is another tedious task. Due to the above problems the updating was very difficult and ambiguous. Data redundancy also occurs due to the duplication of files and records. The files were not stored in a hierarchical format; hence searching the eligible students was the greatest problem [1]. The placement officer has to find out the eligible students by looking at the excel sheet. He/she has to see the marks of every student and their eligibility.

Another problem student's face is that they are not made aware of the Training and Placement activity held in their institutions, hence there might have been a loss of opportunities. There is also a large communication gap between students and the placement officers as it is difficult to maintain coordination between them. The existing system is also inefficient as it could not take acknowledgment from the students attending a particular drive. Hence lots of confusion at the last moment also arises. As all this is done manually, there is a lot of workload on the placement officer.

The existing method used for placement management is not computerized [2]. All the records are maintained manually. The departments or the management carry out this job manually making it more complicated and tedious most of the time. The best solution here is to computerize the current environment.

IV. METHODOLOGY

Fig.1 shows to design and implement a web-based Training Courses for Student Placement system. High-quality placements bring good benefits and positive impacts on students as well as for the colleges. During this process college finds it difficult and time-consuming to collect data from each student. In most cases they collect data manually. Working in a manual system in the colleges requires a lot of manpower and time. The placement management system is an online application that can be accessed throughout the college and outside with proper login details.

The proposed Online Training and Placement System management system meant to give more easiness to the users that they can add and retrieve information so quickly.

There are mainly three types of users they are administrator, student and HR. The administrator is the master user; he gets the most number of priorities than the other users. The different functions involve the case of an administrator are updating, approval, sending information to the students regarding placements. The administrator can view and approve the various application forms. Students can register and view the details. The placement officer can login through HR section view the details of the HR's, placed students, and training details.

The proposed online training and placement management system is intended to avoid all the drawbacks of existing system. It will add some more features than the existing system. The proposed system is a cost effective way of doing the manual processes done in the existing system. This helps the AMCEC (AMC Engineering College) organization to win the war in the existing competitive world.

The proposed system is intended to do the following:

1) *Online Registration:* Traditionally the job of registration was done manually at AMCEC by passing the registration form to the students. But this was too much time consuming and also erroneous: So the major need was for the automation for registration by online registration by students themselves
2) *Security For Administrator:* The files in which the data is stored is stored in Access file sheets that too separately for each class of department; so the files could be accessed by any one accessing the computer. These files may be 'confidential'. So there is a special need for security. Also provide security for authentication of each and every student.
3) *Instant Notification to the Student:* The only method for notification until now is by notice board which is not reliable. To countermeasure this problem the notification can be send by E-mail or mobile sms as well as web portal.
4) *Alumni Data Base:* The alumni data is insufficient and is out of reach of the students. So the proper method to employed to store the alumni data.

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Flow Chart

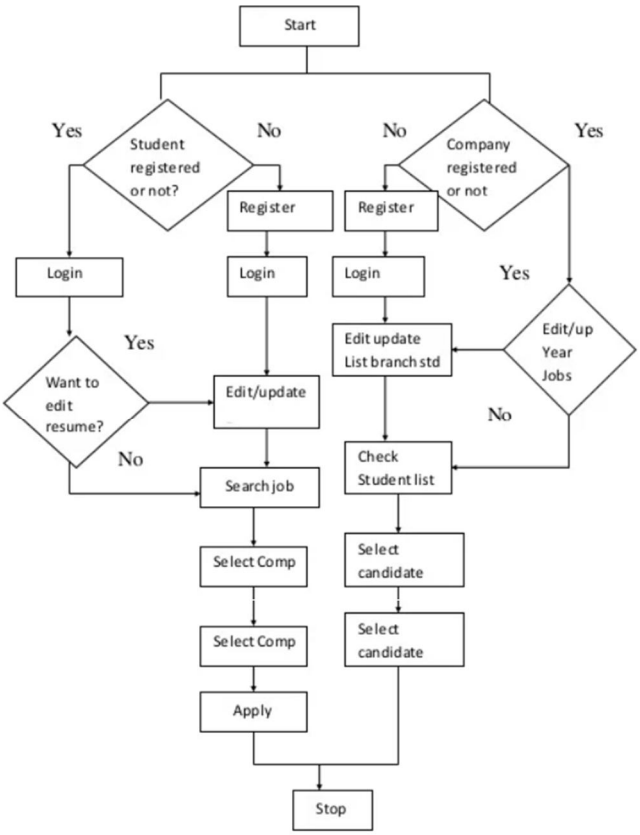


Fig.1: Flow Chart of the System

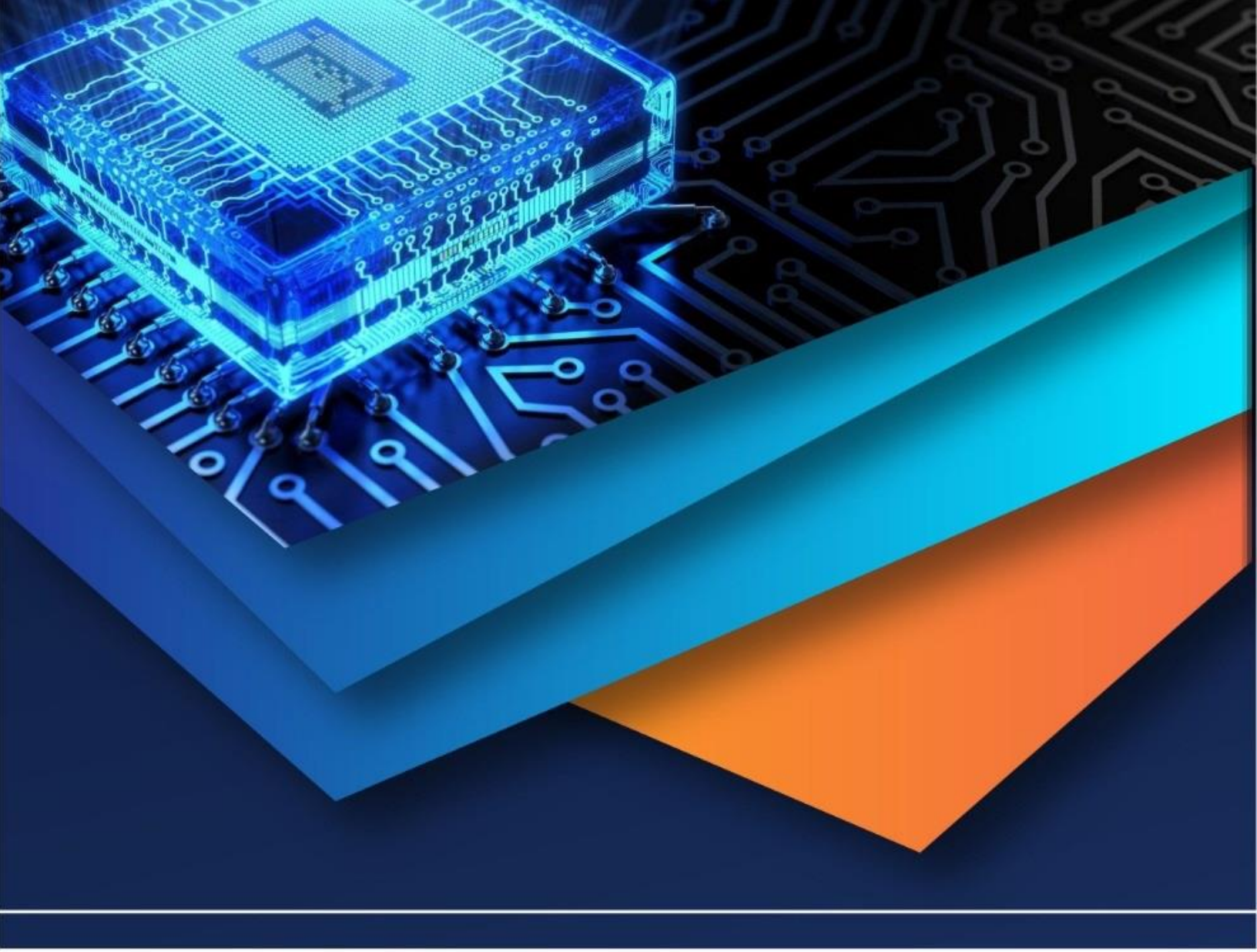
V. CONCLUSION

In this paper, we are developed the proposed system. In the existing system maximum work goes manually and it is error prone system, takes time for any changes in the system. The big problem is the searching and updation of the student data and also no any notification method available for giving information to student expect the notice board.

The proposed online training and placement management system gives the automation in all the process like registration, updation, searching. It provides the detail solution to the existing system problem. In the proposed system, all of these problems become automated. The registration of the student for an upcoming placement, the addition of a new user, notifying students, sharing information, the privacy of the student, etc. is all met. The admin validates the information and gives the student list based on the criteria required which otherwise would have been very difficult to manage.

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